



Freeform Search

Database:	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

Term:	<input type="text"/>	 
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Display:	<input type="text" value="10"/>	Documents in Display Format:	<input type="text" value="TI"/>	Starting with Number	<input type="text" value="4"/>
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Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Thursday, January 22, 2004 [Printable Copy](#) [Create Case](#)



<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L24</u>	L23	0	<u>L24</u>
	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>		
<u>L23</u>	(send\$3 or transmit\$) same (driving direction or direction or route adj3 information) near5 (wireless adj2 device or portable device or voice mailbox)	52	<u>L23</u>
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L22</u>	L20 and l12	0	<u>L22</u>
<u>L21</u>	L20 same l12	0	<u>L21</u>
<u>L20</u>	(send\$3 or transmit\$) same (driving direction or direction or route adj3 information) near5 (wireless adj2 device or portable device or voice mailbox)	24	<u>L20</u>
<u>L19</u>	L17 and l12	6	<u>L19</u>
<u>L18</u>	L17 and l12	6	<u>L18</u>
<u>L17</u>	379/88.14.ccls.	104	<u>L17</u>
<u>L16</u>	4837798	211	<u>L16</u>

<u>L15</u>	6366651[uref]	4	<u>L15</u>
<u>L14</u>	6366651[uref]	4	<u>L14</u>
<u>L13</u>	L12 and mailbox	25	<u>L13</u>
<u>L12</u>	(voice-to-text or text-to-voice) near5 (conver\$6 or processor or translator)	83	<u>L12</u>
<u>L11</u>	(voice-to-text or text-to-voice) near5 processor	12	<u>L11</u>
<u>L10</u>	L6 and (voice-to-text or text-to-voice)	0	<u>L10</u>
<u>L9</u>	707/10.ccls.	2737	<u>L9</u>
<u>L8</u>	340/995.23.ccls.	53	<u>L8</u>
<u>L7</u>	340/995.ccls.	0	<u>L7</u>
<u>L6</u>	701/201.ccls.	371	<u>L6</u>
<u>L5</u>	L4 and l2	10	<u>L5</u>
<u>L4</u>	709/\$.ccls.	14241	<u>L4</u>
<u>L3</u>	709/?.ccls.	0	<u>L3</u>
<u>L2</u>	5543789[uref]	101	<u>L2</u>
<u>L1</u>	5543789.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

Freeform Search

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	IBM Technical Disclosure Bulletins

Term:	<input type="text"/>	 
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Display:	<input type="text" value="10"/>	Documents in Display Format:	<input type="text" value="TI"/>	Starting with Number	<input type="text" value="14"/>
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Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Thursday, January 22, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L15</u>	6366651[uref]	4	<u>L15</u>
<u>L14</u>	6366651[uref]	4	<u>L14</u>
<u>L13</u>	L12 and mailbox	25	<u>L13</u>
<u>L12</u>	(voice-to-text or text-to-voice) near5 (conver\$6 or processor or translator)	83	<u>L12</u>
<u>L11</u>	(voice-to-text or text-to-voice) near5 processor	12	<u>L11</u>
<u>L10</u>	L6 and (voice-to-text or text-to-voice)	0	<u>L10</u>
<u>L9</u>	707/10.ccls.	2737	<u>L9</u>
<u>L8</u>	340/995.23.ccls.	53	<u>L8</u>
<u>L7</u>	340/995.ccls.	0	<u>L7</u>
<u>L6</u>	701/201.ccls.	371	<u>L6</u>
<u>L5</u>	L4 and l2	10	<u>L5</u>
<u>L4</u>	709/\$.ccls.	14241	<u>L4</u>
<u>L3</u>	709/?.ccls.	0	<u>L3</u>

L2 5543789[uref]

101 L2



L1 5543789.pn.

1 L1

END OF SEARCH HISTORY

Freeform Search

Database:	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

Term:	<input type="text"/>	 
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Display:	<input type="text" value="10"/>	Documents in Display Format:	<input type="text" value="TI"/>	Starting with Number	<input type="text" value="1"/>
-----------------	---------------------------------	-------------------------------------	---------------------------------	-----------------------------	--------------------------------

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Thursday, January 22, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L29</u>	(transmit\$4 or send\$3 or forward\$3) same(audio or voice) near5 format same user\$2 near5 (mailbox or voicemail)	7	<u>L29</u>
<u>L28</u>	(transmit\$4 or send\$3 or forward\$3) with (audio or voice) near5 format with user\$2 near5 (mailbox or voicemail)	1	<u>L28</u>
<u>L27</u>	(transmit\$4 or send\$3 or forward\$3) near5 (audio or voice) near5 format near5 user\$2 near5 (mailbox or voicemail)	1	<u>L27</u>
<u>L26</u>	(translat\$6 or conver\$6 or generat\$6) same (text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or forward\$3) with (mailbox or voicemail or user\$2 unit or user\$3 device)	8	<u>L26</u>
<u>L25</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)with (information or text or speech or audio)same(translat\$6 or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or forward\$3) with (mailbox or voicemail)	28	<u>L25</u>
<u>L24</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)with (information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or	30	<u>L24</u>

	forward\$3) with (messag\$3 center or messag\$3 system or mailbox)	
<u>L23</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)same(information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) same (transmit\$4 or send\$3 or forward\$3) near5 (messag\$3 center or messag\$3 system or mailbox)	75 <u>L23</u>
<u>L22</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)near5(information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) near5 (transmit\$4 or send\$3 or forward\$3) near5 (messag\$3 center or messag\$3 system or mailbox)	3 <u>L22</u>
<u>L21</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)near5(information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) same (transmit\$4 or send\$3 or forward\$3) same (messag\$3 center or mailbox)	27 <u>L21</u>
<u>L20</u>	(retiev\$3 or access\$3 or download\$3 or receiv\$3)same (information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text) same (transmit\$4 or send\$3 or forward\$3) same (messag\$3 center or mailbox)	54 <u>L20</u>
<u>L19</u>	(retiev\$3 or access\$3 or download\$3 or receiv\$3)near5 (information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio or speech or text) near5 (messag\$3 center or mailbox)	2 <u>L19</u>
<u>L18</u>	(internet or server) near5 (mail or messag\$3) same (translat or conver\$6)same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio or speech) near5 (messag\$3 center or mailbox)	4 <u>L18</u>
<u>L17</u>	L16 same database	15 <u>L17</u>
<u>L16</u>	voice near5 messag\$4 same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio or speech) same mailbox	92 <u>L16</u>
<u>L15</u>	internet same messag\$4 same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio or speech) same mailbox	18 <u>L15</u>
<u>L14</u>	(5555343 5559859 5832223 5845211 5966663 6018710 6122614)! [pn]	7 <u>L14</u>
<u>L13</u>	(retriev\$3 or download\$3 or access\$3) same (information or travel direction) same (internet or server or database) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio or speech) near5 mailbox	11 <u>L13</u>
<u>L12</u>	(retriev\$3 or download\$3 or access\$3) same (information or travel direction) same (internet or server or databse) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 mailbox	4 <u>L12</u>
<u>L11</u>	(retriev\$3 or download\$3 or access\$3) near5 (information or travel direction) same (internet or server or databse) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 user\$2 near5 mailbox	1 <u>L11</u>
<u>L10</u>	(internet or server) same (mail or messag\$3) same (translat or conver\$6)same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 user\$2 near5 mailbox	5 <u>L10</u>

<u>L9</u>	(internet or server) same (mail or messag\$3) same (translat or conver\$6) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio) near5 user\$2 near5 mailbox	3	<u>L9</u>
<u>L8</u>	(internet or server) near5 (mail or messag\$3) same (translat or conver\$6) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio) near5 user\$2 near5 mailbox	3	<u>L8</u>
<u>L7</u>	forward\$3 near5 (voice or audio) near5 user\$2 near5 mailbox	11	<u>L7</u>
<u>L6</u>	forward\$3 near5 (voice or audio) near5 (mailbox or user\$2 near3 device)	104	<u>L6</u>
<u>L5</u>	(forward\$3 or send\$3 or transmit\$4) near5 (voice or audio) near5 (mailbox or user\$2 near3 device)	287	<u>L5</u>
<u>L4</u>	(forward\$3 or send\$3 or transmit\$4) near5 (voice or audio) near5 (message center or mailbox or user near3 device)	325	<u>L4</u>
<u>L3</u>	(retriev\$3 or access\$3) near5 (information or travel direction or route information or travel information or information) near5 database same (translat\$4 or conver\$) same (forward\$3 or send\$3 or transmit\$4) near5 (message center or mailbox or device)	8	<u>L3</u>
<u>L2</u>	receiv\$3 same (message or inquiry or request\$3) near5 (information or travel direction or route information) same (portable device or portable unit or pda or laptop or wireless device or mobile) same (retriev\$3 or access\$3) near5 database same (forward\$3 or send\$3 or transmit\$4) near5 (message center or mailbox or device)	4	<u>L2</u>
<u>L1</u>	receiv\$3 near5 (message or inquiry or request\$3) near5 (information or travel direction or route information) near5 (portable device or portable unit or pda or laptop or wireless device or mobile) same (retriev\$3 or access\$3) near5 database same (forward\$3 or send\$3 or transmit\$4)	3	<u>L1</u>

END OF SEARCH HISTORY

Freeform Search

Database:	<div style="border: 1px solid black; padding: 2px;"> US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins </div>
Term:	<div style="border: 1px solid black; padding: 2px;"> (transmit\$4 or send\$3 or forward\$3) same(audio or voice) near5 format same user\$2 near5 (mailbox or voicemail) </div>
Display:	<div style="border: 1px solid black; padding: 2px;"> 10 Documents in Display Format: - Starting with Number 1 </div>
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

Search

Clear

Interrupt

Search History

DATE: Thursday, January 22, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L30</u>	(transmit\$4 or send\$3 or forward\$3) same(audio or voice) near5 format same user\$2 near5 (mailbox or voicemail)	11	<u>L30</u>
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L29</u>	(transmit\$4 or send\$3 or forward\$3) same(audio or voice) near5 format same user\$2 near5 (mailbox or voicemail)	7	<u>L29</u>
<u>L28</u>	(transmit\$4 or send\$3 or forward\$3) with (audio or voice) near5 format with user\$2 near5 (mailbox or voicemail)	1	<u>L28</u>
<u>L27</u>	(transmit\$4 or send\$3 or forward\$3) near5 (audio or voice) near5 format near5 user\$2 near5 (mailbox or voicemail)	1	<u>L27</u>
<u>L26</u>	(translat\$6 or conver\$6 or generat\$6) same (text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or forward\$3) with (mailbox or voicemail or user\$2 unit or user\$3 device)	8	<u>L26</u>
<u>L25</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)with (information or text or speech or audio)same(translat\$6 or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or forward\$3) with (mailbox or voicemail)	28	<u>L25</u>

<u>L24</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)with (information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) with (transmit\$4 or send\$3 or forward\$3) with (messag\$3 center or messag\$3 system or mailbox)	30	<u>L24</u>
<u>L23</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)same(information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) same (transmit\$4 or send\$3 or forward\$3) near5 (messag\$3 center or messag\$3 system or mailbox)	75	<u>L23</u>
<u>L22</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)near5(information or text or speech or audio)same(translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) near5 (transmit\$4 or send\$3 or forward\$3) near5 (messag\$3 center or messag\$3 system or mailbox)	3	<u>L22</u>
<u>L21</u>	(retriev\$3 or access\$3 or download\$3 or receiv\$3)near5(information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text or text to speech or speech to text) same (transmit\$4 or send\$3 or forward\$3) same (messag\$3 center or mailbox)	27	<u>L21</u>
<u>L20</u>	(retiev\$3 or access\$3 or download\$3 or receiv\$3)same (information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text) same (transmit\$4 or send\$3 or forward\$3) same (messag\$3 center or mailbox)	54	<u>L20</u>
<u>L19</u>	(retiev\$3 or access\$3 or download\$3 or receiv\$3)near5 (information or text or speech or audio)same (internet or server or database or service provider or provider) same (translat or conver\$6 or text-to-speech or text-to-voice or voice-to-text) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio or speech or text) near5 (messag\$3 center or mailbox)	2	<u>L19</u>
<u>L18</u>	(internet or server) near5 (mail or messag\$3) same (translat or conver\$6)same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio or speech) near5 (messag\$3 center or mailbox)	4	<u>L18</u>
<u>L17</u>	L16 same database	15	<u>L17</u>
<u>L16</u>	voice near5 messag\$4 same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 send\$3 or forward\$3) same (voice or audio or speech) same mailbox	92	<u>L16</u>
<u>L15</u>	internet same messag\$4 same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio or speech) same mailbox	18	<u>L15</u>
<u>L14</u>	(5555343 5559859 5832223 5845211 5966663 6018710 6122614)! [pn]	7	<u>L14</u>
<u>L13</u>	(retriev\$3 or download\$3 or access\$3) same (information or travel direction) same (internet or server or database) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio or speech) near5 mailbox	11	<u>L13</u>
<u>L12</u>	(retriev\$3 or download\$3 or access\$3) same (information or travel direction) same (internet or server or databse) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 mailbox	4	<u>L12</u>
<u>L11</u>	(retriev\$3 or download\$3 or access\$3) near5 (information or travel direction) same (internet or server or databse) same (translat\$6 or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 user\$2 near5 mailbox	1	<u>L11</u>

<u>L10</u>	(internet or server) same (mail or messag\$3) same (translat or conver\$6) same (transmit\$4 or send\$3 or forward\$3) same (voice or audio) near5 user\$2 near5 mailbox	5	<u>L10</u>
<u>L9</u>	(internet or server) same (mail or messag\$3) same (translat or conver\$6) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio) near5 user\$2 near5 mailbox	3	<u>L9</u>
<u>L8</u>	(internet or server) near5 (mail or messag\$3) same (translat or conver\$6) same (transmit\$4 or send\$3 or forward\$3) near5 (voice or audio) near5 user\$2 near5 mailbox	3	<u>L8</u>
<u>L7</u>	forward\$3 near5 (voice or audio) near5 user\$2 near5 mailbox	11	<u>L7</u>
<u>L6</u>	forward\$3 near5 (voice or audio) near5 (mailbox or user\$2 near3 device)	104	<u>L6</u>
<u>L5</u>	(forward\$3 or send\$3 or transmit\$4) near5 (voice or audio) near5 (mailbox or user\$2 near3 device)	287	<u>L5</u>
<u>L4</u>	(forward\$3 or send\$3 or transmit\$4) near5 (voice or audio) near5 (message center or mailbox or user near3 device)	325	<u>L4</u>
<u>L3</u>	(retriev\$3 or access\$3) near5 (information or travel direction or route information or travel information or information) near5 database same (translat\$4 or conver\$) same (forward\$3 or send\$3 or transmit\$4) near5 (message center or mailbox or device)	8	<u>L3</u>
<u>L2</u>	receiv\$3 same (message or inquiry or request\$3) near5 (information or travel direction or route information) same (portable device or portable unit or pda or laptop or wireless device or mobile) same (retriev\$3 or access\$3) near5 database same (forward\$3 or send\$3 or transmit\$4) near5 (message center or mailbox or device)	4	<u>L2</u>
<u>L1</u>	receiv\$3 near5 (message or inquiry or request\$3) near5 (information or travel direction or route information) near5 (portable device or portable unit or pda or laptop or wireless device or mobile) same (retriev\$3 or access\$3) near5 database same (forward\$3 or send\$3 or transmit\$4)	3	<u>L1</u>

END OF SEARCH HISTORY

First Hit Fwd Refs☐ **Generate Collection**

L26: Entry 3 of 8

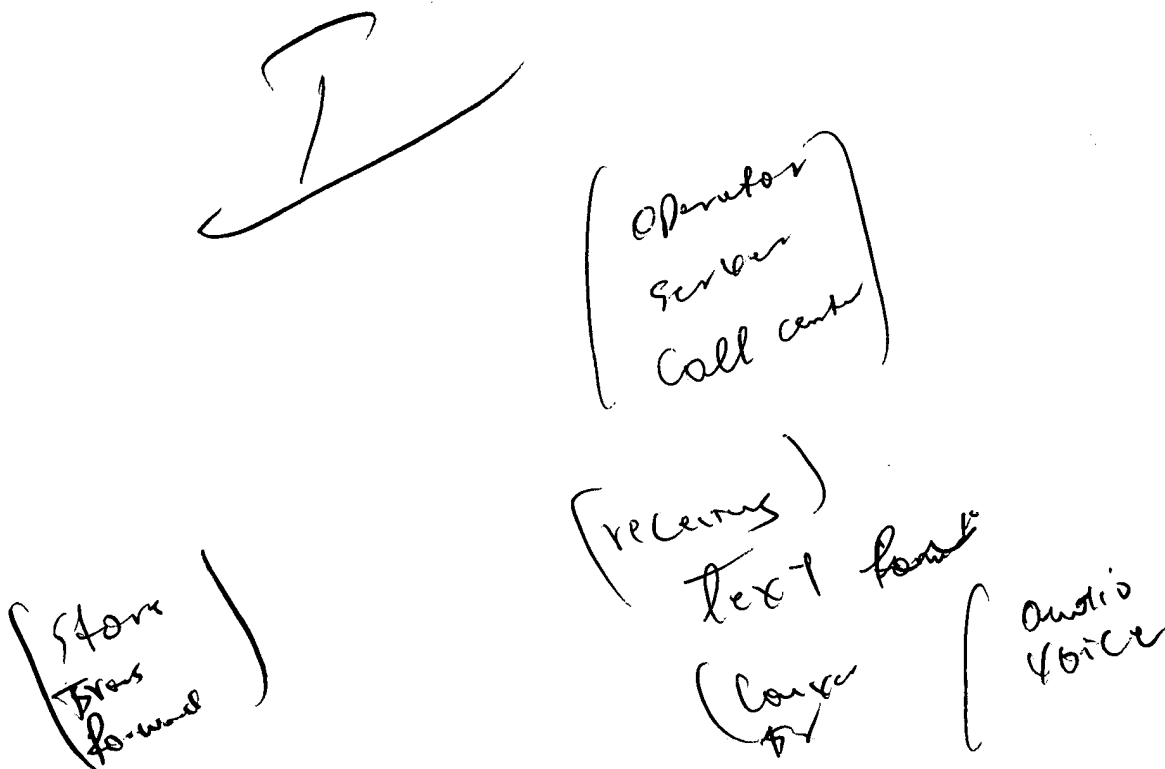
File: USPT

Jan 30, 2001

DOCUMENT-IDENTIFIER: US 6182041 B1
TITLE: Text-to-speech based reminder system

Detailed Description Text (3):

The server sends the reminder message to the text-to-speech translation system at 103 and asks for the text to be translated into speech. The text-to-speech translation system translates the reminder message at 104. At 105 the text-to-speech translation system notifies the controlling server that the translation is complete using a "translationdone" message. At 106 and 107 the controlling server directs the text-to-speech translation system to connect via a bearer channel to the delivery system. In this example a voicemail delivery system is used; however, an e-mail delivery system can also be used. At 108 the server directs the voicemail system to start recording the speech message and at 109 it directs the text-to-speech translation system to begin sending the speech message. At 110 the text-to-speech translation system delivers the speech message to the voicemail system. Where the universal compatibility software system is used to implement the invention, its communication capabilities allow use of existing functionality in many system components, hence, the voicemail system software does not need to be modified.



First Hit Fwd Refs

Generate Collection

L7: Entry 7 of 11

File: USPT

Jan 1, 2002

US-PAT-NO: 6335963

DOCUMENT-IDENTIFIER: US 6335963 B1

TITLE: System and method for providing notification of a received electronic mail message

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bosco; Joseph A.	Chicago	IL		

US-CL-CURRENT: 379/88.12; 379/88.11, 379/88.13, 379/88.15

ABSTRACT:

An electronic mail system provides a user with notification of a received e-mail message without requiring the user to call into their e-mail service provider. A user registers with an e-mail service to be notified of a received e-mail message, and the user is then notified of the received e-mail message by the desired system, such as telephone, voice mail, or a pager.

12 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

I

(return address) info (with int database)
(Translet Concur)

First Hit Fwd Refs

L7: Entry 6 of 11

File: USPT

Apr 16, 2002

US-PAT-NO: 6374223

DOCUMENT-IDENTIFIER: US 6374223 B1

**** See image for Certificate of Correction ****

TITLE: Internet to voice mail messaging

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

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US-CL-CURRENT: 704/260; 704/270, 704/271, 704/275

ABSTRACT:

A method of and apparatus for Internet voice mail messaging allows for automatic retrieval of information from the Internet, text to digital speech conversion of the information, if necessary, conversion of the digital speech information from digital format to a proprietary digital voice signal, if necessary and transfer of such information to various users through conventional telephonic voice messaging systems. The method and apparatus automatically accesses the Internet, downloads the information to be retrieved, converts the information from a digital format to a proprietary digital voice signal, transmits the converted information to a dedicated telephonic voice messaging system, and instructs the dedicated telephonic voice messaging system to transmit the information to the voice mail boxes of various selected users. The users may be users specific to the dedicated telephonic voice messaging system or users of other voice messaging systems which are networked with the dedicated telephonic voice messaging system through a conventional voice mail network over standard public service telephone network lines or digital link, either of which may use proprietary protocols.

18 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

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L12: Entry 2 of 4

File: USPT

Jan 29, 2002

US-PAT-NO: 6343329

DOCUMENT-IDENTIFIER: US 6343329 B1

TITLE: Telecommunication system and method for exchanging information between an E-mail service and a subscriber in a telecommunication network

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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US-CL-CURRENT: 709/246; 455/413, 709/206

ABSTRACT:

In a method for communicating information from e-mails which are intended for a subscriber of a telecommunication network and are filed in an e-mail service, subsequent to the activation of a corresponding service, e-mail messages arriving in the e-mail service for the subscriber are at least partially converted into speech, forwarded to a voice mail service and loaded there as a spoken message. In a suitable telecommunication system, an e-mail/voice mail converter is provided, which is arranged for the at least partial conversion of e-mail messages into speech and/or speech into digital written form, a control logic being provided for the actuation of the converter by comma nd messages of a subscriber.

1 Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

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L24: Entry 12 of 30

File: USPT

Apr 17, 2001

DOCUMENT-IDENTIFIER: US 6219638 B1
TITLE: Telephone messaging and editing system

Abstract Text (1):

A messaging system for receiving speech over a telephone and converting the speech to text includes a first server for receiving speech input by a user, a speech recognition system for converting the speech to text, a speech synthesizer for converting the text to speech for playing back the synthesized speech for correction by the user and a correction mechanism for enabling the user to correct the speech such that the corrected speech is provided as text for transmittal over a communication system.

Brief Summary Text (9):

A messaging system, in accordance with the present invention, for receiving speech and converting the speech to text includes a first server for receiving speech input by a user, a speech recognition system for converting the speech to text, a speech synthesizer for converting the text to speech for playing back the synthesized speech for correction by the user and a correction mechanism for enabling the user to correct the speech such that the corrected speech is provided as text for transmittal over a communication system. other embodiments, the text for for transmittal over the communication system may include transmittal to one of a pager, email and fax. The correction mechanism may prompt the user to select portions of the speech input for correction. The speech recognition server may provide diagnostic data to the correction mechanism to indicate portions of the speech input to be corrected. The correction mechanism may prompt the user to rerecord portions of the speech input for correction. The system may further include a language translation server for converting the speech input to text for transmittal over the communication system in a different language. The system may further include a speaker identification server for identifying the user and for adjusting speech recognition models for speech recognition by the speech recognition server.

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L20: Entry 29 of 54

File: USPT

Jan 30, 2001

DOCUMENT-IDENTIFIER: US 6182041 B1

TITLE: Text-to-speech based reminder system

Brief Summary Text (11):

According to the present invention reminder data is first received from the user interface. A text message is collected and forwarded to a text-to-speech translation system. When a server receives a completion notification message from the translation system, the delivery system is directed to record the speech reminder, and the text-to-speech translation system is directed to send the reminder to the delivery system for recording. The delivery system can be an e-mail system, or a voicemail system. The voicemail system can be directed to automatically call a recipient on the telephone and play the speech reminder at a specified time. Alternatively, the reminder can simply be left in the recipient's personal mailbox in the voicemail system for retrieval by the recipient in the same way that his or her regular voicemail is retrieved. If an email system is used, reminder is attached to an e-mail using a speech format.

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L7: Entry 3 of 11

File: USPT

May 13, 2003

DOCUMENT-IDENTIFIER: US 6563912 B1

TITLE: System and method for providing integrated messaging

Detailed Description Text (13):

In addition, it should be appreciated that file conversion may be necessary. For example, the voice mail message may be in a proprietary digital format that is not compatible with the audio playback utilities of the email client 22. In such a case, the voice mail message can be converted to a standard audio file format, such as a WAV file, before being sent via email to the email client 22. Another example is the conversion of files from text to speech and from speech to text. If the email client 22 does not include the capability to play an audio file, an attempt may be made to convert the voice mail message to a text file, either by the voice server 10 or the email client 22, so that the text of the message may be displayed on the email client 22. Further, a text email message may be converted to an audio file by either the voice server 10 or the email client 22, providing a voice mail user with the ability to retrieve text emails through the voice mail server 10. Because the voice server 10 can receive email messages, the user can configure the email reader to forward incoming email to the user's voice mailbox, allowing the emails to be retrieved over the telephone.

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L1: Entry 3 of 3

File: USPT

Dec 10, 2002

DOCUMENT-IDENTIFIER: US 6493430 B2

TITLE: Method of wireless retrieval of information

Detailed Description Text (4):

In addition to the request for information, the database service provider also receives an identification of the mobile station, namely the calling number identification (CNI). The CNI can be forwarded from a database that associates such information with respective mobile stations. The database service provider then uses the CNI to access information to identify where the requested data should be transmitted. In particular, the service provider can access a table such as that shown in element 203 which constitutes a subscriber profile and correlates a subscriber's CNI with a personal identification number (PIN) which identifies the subscriber and as a consequence provides access to the subscriber's message center which should receive the requested data. The service provider then constructs a message to be transmitted to the message center associated with the subscriber. This message can be constructed either during the course of a call with the mobile station or at some time after the call is completed. The message includes the data requested as well as the PIN. Alternatively, the MIN (mobile identification number) may provide sufficient information to identify the subscriber. In such a case the message would include the data and the MIN. The database service provider then outputs the data via the PSTN 1 to the designated message center 140. The message center stores the message, that is the requested data, in memory associated with the mobile station identified by the PIN or MIN. The messages would be stored in a format that corresponds to the SMS format described in the IS-136 protocol. The message center can then transfer the message packet(s) to the designated mobile station in accordance with known short message service techniques.

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L20: Entry 15 of 54

File: USPT

Sep 3, 2002

DOCUMENT-IDENTIFIER: US 6445694 B1
TITLE: Internet controlled telephone system

Detailed Description Text (51):

The subscriber may control the manner in which Email, voicemail and fax transmissions are handled using the form seen in FIG. 8. To effect email handling, the host services computer operates as a POP mailbox and SMTP server for receiving and sending email respectively. In order to coordinate email, voicemail and fax transmission, the host services computer may advantageously employ a set of conventional format conversion functions including: voice to text speech recognition recognition for converting voice mail into text form suitable for transmission via email as well as by voice file MIME attachments to email; optical character recognition for translating fax transmissions into text form for email transmission as well as by MIME fax file attachments to email. The information provided on the form of FIG. 8, which is self explanatory, allows email, fax and voice mail messages to be forwarded, stored, and redirected in a variety of ways in response to to option selections made by the subscriber as shown.

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L25: Entry 3 of 28

File: USPT

Aug 12, 2003

DOCUMENT-IDENTIFIER: US 6606373 B1

TITLE: Controller for use with communications systems for generating a condensed text message index

Detailed Description Text (32):

According to the illustrated embodiment, acceptance of the proposed text message may be determined, in part, in response to the content of the data record associated with the intended message recipient(s). To continue with the above-given example, assume that data record 415 associated with subscriber 120 (i) defines a data pattern subset of [joe jane widgets abc co. company xyz inc. incorporated opq ltd. limited] and (ii) directs system 100 to send (a) translated text messages to subscriber 120's e-mailbox (not shown), (b) summaries of such text messages to message pager 125, and (c) store the oral message input in subscriber 120's voice-mailbox (not shown). Assume further, that the received oral message was "MCALL JANE AT MIMI'S OFFICE AT 2145559999" and that the proposed translated text message was "CALL JANE AT ME MEEZ OFFICE AT (214) 555-9999". Assume lastly, that translating controller 205 assigned the following confidence factors:

*live offset**[Signature]**Spencer Co*